

Patent claims

1. A coolant radiator, in particular for a motor
5 vehicle, with a radiator block (2) made up of
tubes and ribs, with a coolant inlet box (5)
comprising a coolant inlet pipe connection (7),
and with a coolant outlet box (6) comprising a
coolant outlet pipe connection (8), an auxiliary
10 heat exchanger, in particular oil cooler, with
connections (10, 11) guided out from a coolant box
(6) being arranged in a coolant box (6),
characterized in that a coolant pipe connection
(8) is arranged between two connections (10, 11)
15 of the auxiliary heat exchanger.
2. The coolant radiator as claimed in claim 1,
characterized in that the coolant box (12) has a
front wall (13) and rear wall (14), and in that
20 the coolant pipe connection (15) and the
connections (17, 18) of the auxiliary heat
exchanger are arranged in the rear wall (14).
3. The coolant radiator as claimed in claim 2,
25 characterized in that a front gap (19) is arranged
between the auxiliary heat exchanger (16) and the
front wall (13), and a rear gap (20) is arranged
between auxiliary heat exchanger (16) and rear
wall (14), and in that the rear gap (20) is larger
30 than the front gap (19).
4. The coolant radiator as claimed in claim 2 or 3,
characterized in that the rear wall (14) has a
substantially plane configuration.
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5. The coolant radiator as claimed in claim 2 or 3,
characterized in that the rear wall (24) is bulged

outward in the area around the coolant pipe connection (25).

- 5 6. The coolant radiator as claimed in one of claims 1 through 5, characterized in that the outlet pipe connection (15, 25, 30) is arranged approximately at the center between the connections (17, 18; 28, 29) of the auxiliary heat exchanger.
- 10 7. The coolant radiator as claimed in one of claims 1 through 6, characterized in that the coolant boxes (6, 12, 23, 27) are designed as plastic injection-molded parts.
- 15 8. The coolant radiator as claimed in one of claims 1 through 7, characterized in that the auxiliary heat exchanger (16) is designed as a disk-type, flat tubular or plate-type radiator.